Listing and Amendments of Claims
Including Status Indicators

1. (Currently Amended) A method for deploying a fiber optic communication network comprising:

storing an attribute of an optical communication component in a computer catalog database entry, said optical communication component including a fiber reel having an uneven buffer count;

associating said catalog database entry with a design profile;

selecting said database entry from said design profile;

reading said attribute from said database entry;

associating said attribute with a planned deployment of a physical instance of said component;

calculating an optical loss, including a loss associated with an optical fiber splice; and

forming a visible image representing said planned deployment, said visible image including a separately identified integrated detail drawing.

2. (Canceled)

3. (Previously Presented) A method as defined in claim 1, further comprising recording said association of said attribute with said planned deployment in a computer memory.

4. (Previously Presented) A method as defined in claim 1, further comprising physically deploying said physical instance of said component.

5.   (Original) A method as defined in claim 1 further comprising identifying a geographic location for said planned deployment.

6.   (Original) A method as defined in claim 5 further comprising providing a graphical representation of said geographic location and said physical instance.

7. (Original)   A method as defined in claim 5 wherein said optical communication component comprises a component selected from the group of an optical cable, an optical cable connector, a splitter, an optical amplifier, an optical repeater, an optical transmitter, an optical splice enclosure, a patch panel, and a splice tray.

8.   (Original) A method as defined in claim 1 wherein said optical communication component comprises an optical cable, said optical cable comprising a cable selected from the group of ribbon cable, loose tube buffer cable , central tube cable, odd count fiber cable, single mode fiber cable , multimode fiber cable , and cable including a plurality of fiber types .

9.   (Previously Presented) A method as defined in claim 8 wherein said optical cable includes a plurality of optical fibers.

10.   (Original) A method as defined in claim 1 wherein said planned deployment includes identification of said instance with an owner.

11.   (Original) A method as defined in claim 1 wherein said planned deployment includes identification of said instance with a communication circuit.

12.   (Previously Presented) A method as defined in claim 1 wherein said planned deployment includes deploying a plurality of optical communication components.

13 .   (Currently Amended) A system for planning a network comprising:

  a first computer including a first memory storage device having application software encoded therein;

  a second computer, operatively connected to said first computer, having a second memory storage device adapted to record first project data;

  a third computer, operatively connected to said second computer, having a third memory storage device adapted to record second project data, said first and second project data being substantially instantaneously identical;

  said software including a catalog portion, a design profile portion, and a calculations portion;

  said catalog portion being adapted to receive data defining a plurality of communication network components;

  said design profile portion adapted to receive data defining a plurality of design rules related to logical design of a network;

  said first data including a logical model of a communications network; said calculations portion being adapted to calculate power and signal relationships <u>for individual optical fibers of different grades disposed within a single buffer.</u> ~~within said communications network components; and~~

~~said software including an integrated detail drawing portion adapted to record a separately identified detailed layout of a network within a multiple dwelling unit.~~

14. - 15.   (Canceled)

16.   (Original) A system as defined in claim 13, wherein said communications network comprises a wireless communication portion.

17-30.   (Canceled)

31. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 1, wherein said optical communication component comprises an optical switch.

32. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 1, wherein said optical communication component comprises a tapered fiber segment.

33. (Canceled)

34. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 1, wherein said optical communication component comprises a fiber reel including 36 buffers.

35. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 1, wherein said optical communication component comprises a fiber ribbon having 72 fibers per buffer.

36. (Previously Presented) A method for deploying a fiber optic communication network comprising:

storing an attribute of an optical communication component in a computer catalog database entry;

associating said catalog database entry with a design profile;

selecting said database entry from said design profile;

reading said attribute from said database entry;

associating said attribute with a planned deployment of a physical instance of said component;

forming a visible image representing said planned deployment, said visible image including a separately identified integrated detail drawing; and

performing a system calculation considering small-scale features represented in the detail drawing and large-scale features otherwise represented in the visible image including calculating respective optical losses for optical fibers of different grades disposed within a single buffer. ~~an optical loss, said optical loss including a loss related to an optical fiber splice.~~

37. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 36 wherein said system calculation includes a power supply calculation.

38. (Previously Presented) A method for deploying a fiber optic communication network as defined in claim 36 wherein said system calculation includes a signal level calculation.

39. - 40. (Canceled)